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NPIC/P&DS-305-65

31 August 1965

MEMORANDUM FOR: Acting Director, National Photographic Interpretation Center

SUBJECT : Research and Development Project Approval
Request for a "DIAZO Light Table Printer",
Project No. 99711-6

REFERENCE : DDCI Memo ER 63-88121, dated 23 December 1963:
Approval of Research and Development Activities

In compliance with paragraph 3 of the reference, it is requested that the development of a DIAZO Light Table Printer, Project No. 99711-6 in the amount of [redacted] outlined in Annex "A" be approved.

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Colonel, USAF
Assistant for Plans and Development

Attachment: s/s

APPROVED: [redacted]

Acting Director, NPIC

Date

Distribution:

- Orig. + 1 - Addressee
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- 2 - P&DS/DB

NPIC/P&DS/ [redacted] 31 August 1965)

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R & D CATALOG FORM		DATE
1. PROJECT TITLE/CODE NAME DIAZO Light Table Printer		31 August 1965
2. SHORT PROJECT DESCRIPTION This project covers the design and fabrication of a prototype DIAZO Light Table Printer.		
3. CONTRACTOR NAME <div></div>		4. LOCATION OF CONTRACTOR <div>25X1</div>
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT
7. FUNDS FY 19 \$		8. REQUISITION NO.
FY 1966		9. BUDGET PROJECT NO. NP-MI-5
FY 19 \$		10. EFFECTIVE CONTRACT DATE (Begin - end) 1 Oct. - 30 Dec. 1965
		11. SECURITY CLASS. A.A. Confidential T. Unclassified W. Unclassified
12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/P&DS/ <div>25X1</div>		
13. REQUIREMENT/AUTHORITY This device will be used by Photo Interpreters to obtain DIAZO prints from photography which can not be retained for detailed analysis or sent to a Photo Lab for normal reproduction. This development is in response to requirements of CIA/IAD.		
14. TYPE OF WORK TO BE DONE Engineering Development		
15. CATEGORIES OF EFFORT		
MAJOR CATEGORY Reproduction & Processing Equipment		SUB-CATEGORIES Interpretation/Analysis Reproduction
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. This project will result in one prototype DIAZO Light Table Printer and an instruction manual.		
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION This project has been coordinated with CIA/IAD personnel. By virtue of contacts throughout industry and the Intelligence Community, it is concluded that no such instrument exists or is currently under development.		
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) There are circumstances when Photo Interpreters have access to photography for only a short period of time and then must return it or pass it on to other users. Accordingly, detailed analysis cannot be made because of this time limitation. Often there are only a few areas on each roll of film which require further analysis, but until now there has been no practical method for them to make a high quality reproduction. Recently <div>25X1</div> has developed a DIAZO (Continued)		
19. APPROVED BY AND DATE		
OFFICE	DEPUTY DIRECTOR	DDCI

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R&D CATALOG FORM Continued ...

DIAZO Light Table Printer

18.

system which is capable of very rapid production of dry, high quality positive-to-positive transparencies; accordingly they were asked to investigate the possibility of practical utilization of this system. Their response was to propose modifying a Richards GFL-940 MCE Elevating Light Table by adding a DIAZO Printer/Processor to it. This will allow the Photo Interpreter to scan the photography as in the present operation, however if he should find an area which requires further detailed study, he may quickly reproduce it by advancing the film to the right end of the table, under the DIAZO printer and exposing the scene for the required time (2 - 5 seconds). He then would place the exposed DIAZO copy in the processor (attached to the left side of the table) and a permanent, dry, ready to use, high quality print is produced in less than 30 seconds. The DIAZO material has a capability for reproducing seventeen grey scale steps, a maximum density of 1.75, and greater than 200 lp/mm resolution.

This development will be accomplished under a [] contract with the Intelligence Systems Department, []
Delivery of the prototype would be within nine weeks after receipt of the contract.

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The proper security measures are in effect at the contractor's plant as a result of other Agency contracts.

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